

Bibliographic Information

Antimicrobial pharmaceuticals containing bacampicillin hydrochloride and β -lactamase inhibitor. Araki, Kazuhiko; Moriguchi, Akihiko; Ikeda, Takashi; Yokoyama, Yoshihito. (Yoshitomi Pharmaceutical Industries, Ltd., Japan). Jpn. Kokai Tokkyo Koho (1991), 4 pp. CODEN: JKXXAF JP 03206038 A2 19910909 Heisei. Patent written in Japanese. Application: JP 90-2303 19900108. CAN 116:46341 AN 1992:46341 CAPLUS

Patent Family Information

Patent No.	Kind	Date	Application No.	Date
JP 03206038	A2	19910909	JP 1990-2303	19900108
<u>Priority Application</u>				
JP 1990-2303				19900108

Abstract

Antimicrobial oral pharmaceuticals contain bacampicillin-HCl (I) and 2 α -methyl-2 β -(1,2,3-triazole-1-yl)methylpenam-3 α -carboxylic acid 1,1-dioxide 1-[(ethoxycarbonyl)oxy]ethyl ester (II). 2 α -Methyl-2 β -(1,2,3-triazole-1-yl)methylpenam-3 α -carboxylic acid 1,1-dioxide 5.0, di-Et α -chlorocarbonate 3.05, NaI 3.00, and K₂CO₃ 1.38 g were mixed in 50 mL DMSO at 50° for 5 h to give 2.5 g II. I 250, II 125, lactose 80, cryst. cellulose 40, and Mg stearate 5 mg were mixed and granulated to give a capsule. I and II (4:1) were orally administered to Klebsiella pneumoniae-infected mice, which showed min. inhibitory concn. of 50 μ g/mL and median ED of 4.709 mg/mouse, vs. 50 μ g/mL and 8.978 mg/mouse for a control using YTR 830H instead of II.

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1 for 114:81408

1 for ep03791

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Preparation of 1-[alkyl[carbonylbis(oxy)]]ethyl cephemcarboxylates as antibiotics. Adam, Friedhelm; Blumbach, Juergen; Duerckheimer, Walter; Fischer, Gerd; Mencke, Burghard; Isert, Dieter; Seibert, Gerhard; Klesel, Norbert. (Hoechst A.-G., Germany). Ger. Offen. (1990), 20 pp. CODEN: GWXXBX DE 3901405 A1 19900726 Patent written in German. Application: DE 89-3901405 19890119. CAN 114:81408 AN 1991:81408 CAPLUS (Copyright 2004 ACS on SciFinder (R))

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Patent No.	Kind	Date	Application No.	Date
DE 3901405	A1	19900726	DE 1989-3901405	19890119
EP 379132	A2	19900725	EP 1990-100799	19900116
EP 379132	A3	19920108		
			R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL	
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A
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19900118
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Priority Application
DE 1989-3901405

19890119

Abstract

The title compds. [I; R = CHMeO₂COR₃; R₁ = H, Me; R₂ = H, MeO; 1 of R₁R₂ = H; R₃ = (cyclo)alkyl, (cyclo)alkoxy; R₄ = H] were prep'd. as antibiotics (no data) by condensation of I (R = cation) with XCHMeO₂COR₃ (X = leaving group). Thus, ClCHMeO₂CCl was stirred 2 h at 0-5° with HOCHMeCH₂OMe in CH₂Cl₂ contg. pyridine and the product stirred 2 h with NaI and Zn chloride in CS₂ to give ICHMeO₂COCHMeCH₂OMe which was stirred 10 min with I (R = K, R₁ = CMe₂OMe, R₂ = MeO, R₄ = Ph₃C) in DMF to give, after deprotection, I (R = CHMeO₂COCHMeCH₂OMe, R₁ = R₄ = R₂ = MeO).

